Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/27/2017 10:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124711	-1	1.36	124659	1.33
Blue	F	SSC	125000	123449	-2	3.47	123756	3.28
Blue	E	FITC	23615	22806	-4	2.51	1022	10.10
Blue	D	PE	26739	26389	-2	2.06	949	9.83
Blue	B	PerCP-Cy5-5	48339	47194	-3	3.57	1353	17.32
Blue	A	PE-Cy7	45021	44301	-2	5.38	699	35.50
Red	C	APC	53064	52531	-2	2.82	3010	9.66
Red	A	APC-Cy7	57175	56214	-2	2.80	1191	11.05
Violet	B	V450	14728	14091	-5	4.87	665	9.43
Violet	A	V500	58621	57223	-3	4.73	2536	7.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18714	2.26	606	-8	N/A	N/A	Pass
Blue	F	SSC	60916	1.39	544	-2	N/A	N/A	Pass
Blue	E	FITC	109	39.78	542	-6	0.0214	160	Pass
Blue	D	PE	206	28.88	535	-1	0.1562	218	Pass
Blue	B	PerCP-Cy5-5	210	44.38	631	-4	0.0095	24	Pass
Blue	A	PE-Cy7	75	119.14	690	-3	0.0116	13	Pass
Red	C	APC	352	27.98	598	1	0.0194	48	Pass
Red	A	APC-Cy7	130	39.71	579	-1	0.0057	1676	Pass
Violet	B	V450	82	40.58	466	-4	0.0449	1591	Pass
Violet	A	V500	183	22.38	495	-2	0.0140	199	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.95	-31.33	0.86
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	18.57	14.40 - 21.60	N/A	N/A	31.05	31.65	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12745

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments